

## 92750-65.ST25.txt SEQUENCE LISTING

<110> Visser, Richard Gerardus F. Vincken, Jean-Paul

<120> EXPRESSION IN PLANTS OF STARCH BINDING DOMAINS AND/OR OF PROTEIN FUSIONS CONTAINING STARCH BINDING DOMAINS

<130> 92750/65

<140> US 10/009,876

<141> 2002-05-06

<150> PCT/NL00/00406

<151> 2000-06-13

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 104

<212> PRT

<213> B. circulans

<400> 1

Ser Gly Asp Gln Val Ser Val Arg Phe Val Val Asn Asn Ala Thr Thr 1 5 10 15

Ala Leu Gly Gln Asn Val Tyr Leu Thr Gly Ser Val Ser Glu Leu Gly
20 25 30

Asn Trp Asp Pro Ala Lys Ala Ile Gly Pro Met Tyr Asn Gln Val Val 35 40 45

Tyr Gln Tyr Pro Asn Trp Tyr Tyr Asp Val Ser Val Pro Ala Gly Lys 50 60

Thr Ile Glu Phe Lys Phe Leu Lys Lys Gln Gly Ser Thr Val Thr Trp 65 70 75 80

Glu Gly Gly Ser Asn His Thr Phe Thr Ala Pro Ser Ser Gly Thr Ala 85 90 95

Thr Ile Asn Val Asn Trp Gln Pro
100

<210> 2

<211> 108

<212> PRT

<213> A. niger

<400> 2

Cys Thr Thr Pro Thr Ala Val Ala Val Thr Phe Asp Leu Thr Ala Thr Page 1 Thr Thr Tyr Gly Glu Asn Ile Tyr Leu Val Gly Ser Ile Ser Gln Leu 20 25 30

Gly Asp Trp Glu Thr Ser Asp Gly Ile Ala Leu Ser Ala Asp Lys Tyr 35 40 45

Thr Ser Ser Asp Pro Leu Trp Tyr Val Thr Val Thr Leu Pro Ala Gly 50 55 60

Glu Ser Phe Glu Tyr Lys Phe Ile Arg Ile Glu Ser Asp Asp Ser Val 75 80

Glu Trp Glu Ser Asp Pro Asn Arg Glu Tyr Thr Val Pro Gln Ala Cys 85 90 95

Gly Thr Ser Thr Ala Thr Val Thr Asp Thr Trp Arg
100 105

<210> 3

1

<211> 104 <212> PRT

<213> T. thermosulfurigenes

<400> 3

Thr Gly Asn Gln Ile Cys Val Arg Phe Val Val Asn Asn Ala Ser Thr 1 5 10 15

Val Tyr Gly Glu Asn Val Tyr Leu Thr Gly Asn Val Ala Glu Leu Gly 20 25 30

Asn Trp Asp Thr Ser Lys Ala Ile Gly Pro Met Phe Asn Gln Val Val 35 40 45

Tyr Gln Tyr Pro Thr Trp Tyr Tyr Asp Val Ser Val Pro Ala Gly Thr 50 55 60

Thr Ile Gln Phe Lys Phe Ile Lys Lys Asn Gly Asn Thr Ile Thr Trp 65 70 75 80

Glu Gly Gly Ser Asn His Thr Tyr Thr Val Pro Ser Ser Ser Thr Gly 85 90 95

Thr Val Ile Val Asn Trp Gln Gln 100

<210> 4

- <211> 105
- <212> PRT
- <213> B. stearothermophilus

<400> 4

Thr Asn Asp Gln Val Ser Val Arg Phe Val Val Asn Asn Ala Thr Thr  $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$ 

Asn Leu Gly Gln Asn Ile Tyr Ile Val Gly Asn Val Tyr Glu Leu Gly 20 25 30

Asn Trp Asp Thr Ser Lys Ala Ile Gly Pro Met Phe Asn Gln Val Val 35 40 45

Tyr Ser Tyr Pro Thr Trp Tyr Ile Asp Val Ser Val Pro Glu Gly Lys 50 55 60

Thr Ile Glu Phe Lys Phe Ile Lys Lys Asp Ser Gln Gly Asn Val Thr 65 70 75 80

Trp Glu Ser Gly Ser Asn His Val Tyr Thr Thr Pro Thr Asn Thr Thr 85 90 95

Gly Lys Ile Ile Val Asp Trp Gln Asn 100 105

- <210> 5 <211> 24
- <212> PRT
- <213> Artificial Sequence
- <220>
- <223> PT-rich linker peptide
- <400> 5

Arg Ser Pro Thr Thr  $1 \\ 5 \\ 10 \\ 15$ 

Pro Thr Pro Thr Pro Ser Thr Glu 20